

Pond E Estimated Pumping Rates

Ash Dewatering	AVERAGE CONDITIONS	In-situ Ash Water					Stormwater Infiltration				Pump to Plant (Outfall 001/002)	
		Porosity	Initial Degree of Saturation	Final Degree of Saturation	Estimated Ash Volume (CY)	In-Situ Volume to be Dewatered (million gallons)	Area of Ash (AC)	Off Ash Area Unable to be Diverted (AC)	Monthly Runoff Volume on Ash (million gallons)	Monthly Rainfall Volume from Off Ash Areas (million gallons)	Assumed Pump Time (Month)	Required Pumping Rate (GPM)
		0.3	1	0.2	750,000	36.35	37.5	1.9	3.5	0.0	2	503

Stormwater		AVERAGE CONDITIONS	Surface Water Runoff that May Contact Ash		Pump to Treatment (Outfall 005)	
			Maximum Drainage Area (AC)	Monthly Runoff Volume (million gallons)	Assumed Pump Time (Month)	Required Pumping Rate (GPM)
			106.1	3.3	1	77
		STORM CONDITIONS	Storm Event	Stormwater Runoff Volume (million gallons)	Assumed Pump Time (Week)	Required Pumping Rate (GPM)
			2-Year Storm	2.9	1	283
			10-year Storm	6.3	1	623

Pond D Estimated Pumping Rates

Ash Dewatering	AVERAGE CONDITIONS	In-situ Ash Water					Stormwater Infiltration				Pump to Plant (Outfall 001/002)	
		Porosity	Initial Degree of Saturation	Final Degree of Saturation	Estimated Ash Volume (CY)	In-Situ Volume to be Dewatered (million gallons)	Area of Ash (AC)	Off Ash Area Unable to be Diverted (AC)	Monthly Runoff Volume on Ash (million gallons)	Monthly Rainfall Volume from Off Ash Areas (million gallons)	Assumed Pump Time (Month)	Required Pumping Rate (GPM)
		0.3	1	0.2	468,900	22.73	28.9	22.9	2.8	0.2	2	333

Stormwater		AVERAGE CONDITIONS	Surface Water Runoff that May Contract Ash		Pump to Treatment (Outfall 005)	
			Maximum Drainage Area (AC)	Monthly Runoff Volume (million gallons)	Assumed Pump Time (Month)	Required Pumping Rate (GPM)
			113	3.0	1	70
		STORM CONDITIONS	Storm Event	Stormwater Runoff Volume (million gallons)	Assumed Pump Time (Week)	Required Pumping Rate (GPM)
			2-Year Storm	2.5	1	253
			10-year Storm	6.0	1	594